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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/820,458	04/08/2004	Daniele Vimercati	S1022.81115US00	7248	
23628	7590 05/27/2005		EXAMINER		
	ENFIELD & SACKS,	PHAN, TRONG Q			
FEDERAL RE 600 ATLANT	ESERVE PLAZA	ART UNIT	PAPER NUMBER		
	A 02210-2211		2827		
			DATE MAILED: 05/27/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Comments	10/820,458	VIMERCATI, DANIELE	m			
Office Action Summary	Examiner	Art Unit				
·	TRONG PHAN	2827	_			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	16(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communica D (35 U.S.C.§ 133).	tion.			
Status						
1) Responsive to communication(s) filed on <u>08 Ar</u>	<u>oril 2004</u> .					
2a) ☐ This action is FINAL. 2b) ☒ This	action is non-final.					
3) Since this application is in condition for allowan	) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-19 is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	vn from consideration.					
5) Claim(s) is/are allowed.		,				
6)⊠ Claim(s) <u>1-19</u> is/are rejected.			•			
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the f	Examiner.	-			
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	on is required if the drawing(s) is ob	jected to. See 37 CFR 1.12	1(d).			
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a)	)-(d) or (f).				
1.⊠ Certified copies of the priority documents	s have been received.					
2. Certified copies of the priority documents	s have been received in Applicati	ion No				
<ol><li>Copies of the certified copies of the prior</li></ol>	ity documents have been receive	ed in this National Stage				
application from the International Bureau	ı (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list	of the certified copies not receive	∍d.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate Patent Application (PTO-152)				
3) ⊠unformation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>0404</u> . ✓	6)  Other:	aton Apphoanon (1° 10-102)				
S. Patent and Trademark Office						

## DETAILED ACTION

## **Drawings**

- 1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: I[uA] and 70 in Fig. 1; all elements in Figs. 9-10 and 14; \( \frac{1}{0} \), \( \frac{1}{0}
- 2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: voltage Vx (last line, page 15). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application

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must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

## Claim Objections

3. Claims 1-2, 6-7, 10 and 15 are objected to because of the following informalities:

Claim 1, no antecedent basis for "the contents" and "the basis o the temporal".

Claim 2, no antecedent basis for "the modification order".

Claim 6, no antecedent basis for "the contents", "the basis for the temporal relation", "the cell current" and "the reference current".

Claim 7, no antecedent basis for "the condition".

Claim 10, no antecedent basis for "the contents" and "the basis of the temporal relation".

Claim 15, no antecedent basis for "the cell current", "the reference current" and "the basis of the temporal relation".

Appropriate correction is required.

## Allowable Subject Matter

- 4. Claims 1-19 are allowed.
- 5. The following is an examiner's statement of reasons for allowance:

The reading method and the memory device having an array memory cell, a reference memory cell, biasing means and evaluation means as recited in claims 1-19 has not been found in the prior art.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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#### Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lee et al., 6,275,417, Haddad et al., 6,157,572, Hazama, 6,339,548, Campardo et al., 6,456,527, Cernea et al., 5,596,532, Fazio et al., 5,508,958, Engh et al., 5,963,462, and Wong, 6,038,166.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TRONG PHAN whose telephone number is (571) 272-1794. The examiner can normally be reached on M-F (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, HOAI HO can be reached on (571)272-1777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRONG PHAN
PRIMARY EXAMINER

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